Title (en)

SPUR GEAR TRANSMISSION

Title (de

STIRNRADGETRIEBE

Title (fr)

**ENGRENAGE CYLINDRIQUE** 

Publication

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Application

EP 16788104 A 20161028

Priority

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Abstract (en

[origin: WO2017072268A1] The invention relates to a spur gear transmission having at least two toothed spur gears, the teeth of which intermesh and which can each be rotated about an axis of rotation; having an enveloping wall which encloses the two spur gears in the circumferential direction and in the direction of the axis of rotation; the enveloping wall having an internal contour which is matched to the external diameters of the spur gears in such a way that two annular gaps result which merge into each other between the enveloping wall and the spur gears, in each case an annular gap being arranged at least substantially concentrically in relation to a respective axis of rotation; and having a lubricating device which is set up to lead a stream of lubricant into the teeth of the spur gears. The spur gear transmission according to the invention is characterized in that in addition a cooling device is provided, which is set up to lead a stream of coolant through one or more cooling channels running within the enveloping wall and/or on the outside along the enveloping wall.

IPC 8 full level

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CPC (source: EP US)

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